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June 16, 1999

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TECH CENTER 1600/2900

Assistant Commissioner for Patents
BOX AF
Washington, D.C. 20231

Re: U.S. Patent Application Serial No. 08/993,564
For: CHIMERIC EMBRYOS AND ANIMALS
CONTAINING HUMAN CELLS
Our Reference: 45010-00601

Dear Sir:

Transmitted herewith for filing in the U.S. Patent and Trademark Office are the following documents: (1) Transmittal Form; (2) Fee Transmittal; (3) Patent Application Fee Determination Record; (4) Amendment and Response with Exhibit A; and (5) Check No. 93298 in the amount of \$171.00 to cover the U.S. Government fee.

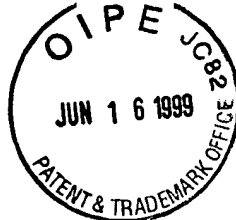
Please charge any additional fees due, or credit any overpayment, to Deposit Account No. 03-2469.

Sincerely yours,

A handwritten signature in black ink, appearing to be "Patrick J. Coyne", written over a horizontal line.

PATRICK J. COYNE, Reg. No. 31,821
JOHN N. COULBY, Reg. No. 43,565

Enclosures



Please type a plus sign (+) inside this box → ☒

PTO/SB/21 (12-97)
Approved for use through 9/30/00. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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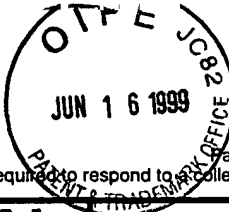
TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	08/993,564	
	Filing Date	December 18, 1997	
	First Named Inventor	Stuart Newman	
	Group Art Unit	1632	
	Examiner Name	D. Crouch	
Total Number of Pages in This Submission	47	Attorney Docket Number	45010-00601

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input checked="" type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> To Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	(X) Patent Application Fee Determination Record	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Patrick J. Coyne, Reg. No. 31,821 John N. Coulby, Reg. No. 43,565
Signature	
Date	6-18-99

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: <input type="text"/>		
Typed or printed name <input type="text"/>		
Signature <input type="text"/>	Date <input type="text"/>	

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PTO/SB/17 (12-98)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL for FY 1999

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$)**171.00**

Complete if Known

Application Number	08/993,564
Filing Date	December 18, 1997
First Named Inventor	Stuart Newman
Examiner Name	D. Crouch
Group / Art Unit	1632
Attorney Docket No.	45010-00601

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number
Deposit Account Name

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. ☐ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 760	201 380	Utility filing fee	<input type="text"/>
106 310	206 155	Design filing fee	<input type="text"/>
107 480	207 240	Plant filing fee	<input type="text"/>
108 760	208 380	Reissue filing fee	<input type="text"/>
114 150	214 75	Provisional filing fee	<input type="text"/>

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
<input type="text"/>	-20** = <input type="text"/>	X <input type="text"/>	= <input type="text"/>
Independent Claims	-3** = <input type="text"/>	X <input type="text"/>	= <input type="text"/>
Multiple Dependent		<input type="text"/>	= <input type="text"/>

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 78	202 39	Independent claims in excess of 3
104 260	204 130	Multiple dependent claim, if not paid
109 78	209 39	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	<input type="text"/>
127 50	227 25	Surcharge - late provisional filing fee or cover sheet.	<input type="text"/>
139 130	139 130	Non-English specification	<input type="text"/>
147 2,520	147 2,520	For filing a request for reexamination	<input type="text"/>
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	<input type="text"/>
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	<input type="text"/>
115 110	215 55	Extension for reply within first month	<input type="text"/>
116 380	216 190	Extension for reply within second month	<input type="text"/>
117 870	217 435	Extension for reply within third month	<input type="text"/>
118 1,360	218 680	Extension for reply within fourth month	<input type="text"/>
128 1,850	228 925	Extension for reply within fifth month	<input type="text"/>
119 300	219 150	Notice of Appeal	<input type="text"/>
120 300	220 150	Filing a brief in support of an appeal	<input type="text"/>
121 260	221 130	Request for oral hearing	<input type="text"/>
138 1,510	138 1,510	Petition to institute a public use proceeding	<input type="text"/>
140 110	240 55	Petition to revive - unavoidable	<input type="text"/>
141 1,210	241 605	Petition to revive - unintentional	<input type="text"/>
142 1,210	242 605	Utility issue fee (or reissue)	<input type="text"/>
143 430	243 215	Design issue fee	<input type="text"/>
144 580	244 290	Plant issue fee	<input type="text"/>
122 130	122 130	Petitions to the Commissioner	<input type="text"/>
123 50	123 50	Petitions related to provisional applications	<input type="text"/>
126 240	126 240	Submission of Information Disclosure Stmt	<input type="text"/>
581 40	581 40	Recording each patent assignment per property (times number of properties)	<input type="text"/>
146 760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))	<input type="text"/>
149 760	249 380	For each additional invention to be examined (37 CFR 1.129(b))	<input type="text"/>

Other fee (specify) **Additional Claim Fee**

171.00

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**171.00**

SUBMITTED BY

Typed or Printed Name **Patrick J. Coyne**
John N. Coulby

Signature

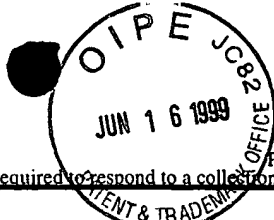
Date **6-16-99**

Complete (if applicable)

Reg. Number **31,821**
43,565

Deposit Account User ID

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Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number
08/993,564

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY

OR

OTHER THAN
SMALL ENTITY

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a))		
TOTAL CLAIMS (37 CFR 1.16(c))	minus 20 =	*
INDEPENDENT CLAIMS (37 CFR 1.16(b))	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		

RATE	FEE
	\$ _____
x \$ _____ =	
x _____ =	
+ _____ =	
TOTAL	

RATE	FEE
	\$ _____
x \$ _____ =	
x _____ =	
+ _____ =	
TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

SMALL ENTITY

OR

OTHER THAN
SMALL ENTITY

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total (37 CFR 1.16(c))	* 55	Minus	** 36	= 19
	Independent (37 CFR 1.16(b))	* 5	Minus	*** 5	= 0
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))				

RATE	ADDI- TIONAL FEE
x \$ 9 =	171.00
x _____ =	
+ _____ =	
TOTAL	171.00

RATE	ADDI- TIONAL FEE
x \$ _____ =	
x _____ =	
+ _____ =	
TOTAL	

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total (37 CFR 1.16(c))	*	Minus	**	=
	Independent (37 CFR 1.16(b))	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))				

RATE	ADDI- TIONAL FEE
x \$ _____ =	
x _____ =	
+ _____ =	
TOTAL	

RATE	ADDI- TIONAL FEE
x \$ _____ =	
x _____ =	
+ _____ =	
TOTAL	

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total (37 CFR 1.16(c))	*	Minus	**	=
	Independent (37 CFR 1.16(b))	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))				

RATE	ADDI- TIONAL FEE
x \$ _____ =	
x _____ =	
+ _____ =	
TOTAL	

RATE	ADDI- TIONAL FEE
x \$ _____ =	
x _____ =	
+ _____ =	
TOTAL	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

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